KNIGHT by MIDMARK

RECOMMENDED TOOLS

- Screwdriver with phillips head (cordless optional)
- Level
- Tape measure
- 1/4" socket (6 point) with ratchet
- Caulking gun
- Belt sander
- Stud Finder
- Hammer drill w/ 1/4" bit for masonry anchor (for installations on masonry walls)

RECOMMENDED FASTENERS (NOT SUPPLIED)

Stud Walls (Standard)
Use #12 x 2" long round head wood screws (course threaded). The screws must be driven into the wall studs or backing. It may be necessary to use washers to keep the head of the screws from pulling through the holes in the hanging bracket. (Use sheet metal screws for steel studded walls). In studded walls where backing is not provided, it will be necessary to use 3/16" short mollies, or other types of commercial expansion fasteners.

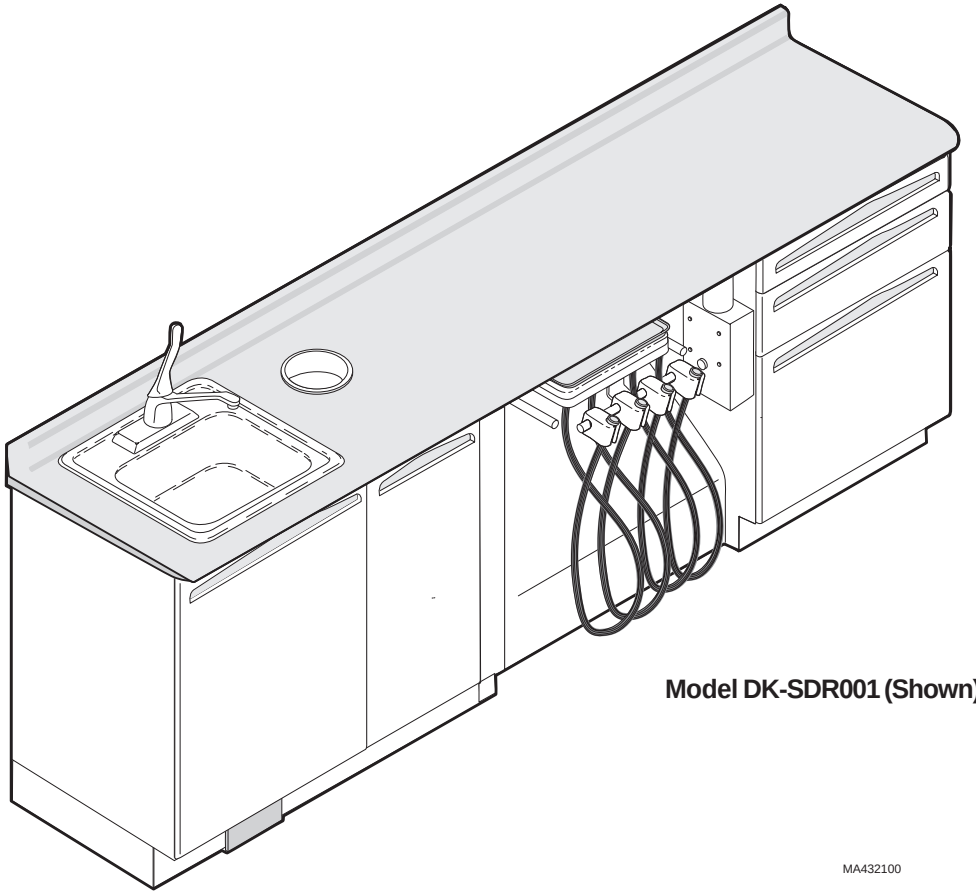
Hollow Tile or Masonry Walls
Use 1/4" machine screw expansion anchors of adequate length. A 3/16" short molly or other type of expansion fastener may be used if the installers predrill the hole.

Rough Solid Concrete or Brick Wall
Use #12 round head wood screws or a specialized masonry fastener.

MODELS:

Installation Instructions

DK-SDR001 (Short Arm Side Delivery Casework w/Sink & Storage, RH)
DK-SDL001 (Short Arm Side Delivery Casework w/Sink & Storage, LH)
DK-SDR002 (Short Arm Side Delivery Casework w/Sink, RH)
DK-SDL002 (Short Arm Side Delivery Casework w/Sink, LH)
DK-SDR003 (Short Arm Side Delivery Casework, RH)
DK-SDL003 (Short Arm Side Delivery Casework, LH)
DK-SDR001SS (Short Arm Side Delivery Casework w/Sink & Storage, RH w/Solid Surface)
DK-SDL001SS (Short Arm Side Delivery Casework w/Sink & Storage, LH w/ Solid Surface)
DK-SDR002SS (Short Arm Side Delivery Casework w/Sink, RH w/Solid Surface)
DK-SDL002SS (Short Arm Side Delivery Casework w/Sink, LH w/Solid Surface)
DK-SDR003SS (Short Arm Side Delivery Casework, RH w/Solid Surface)
DK-SDL003SS (Short Arm Side Delivery Casework, LH w/ Solid Surface)



Model DK-SDR001 (Shown)

MA432100

WALL LAYOUT PREPARATION (as applicable)

NOTE

Please check local electrical and plumbing codes. Knight cannot be held responsible for installations which do not conform to local codes.

A - The wall layout (Figure 1) shows a unit with sink and storage cabinet options. If the unit you are installing does not have a sink or storage option, disregard instructions and dimensional information for those options.

B - Have a licensed electrical contractor position and install electrical outlet receptacles as necessary using layout (Figure 1).

C - Have a licensed plumbing contractor position and install plumbing using layout (Figures 1 and 2).

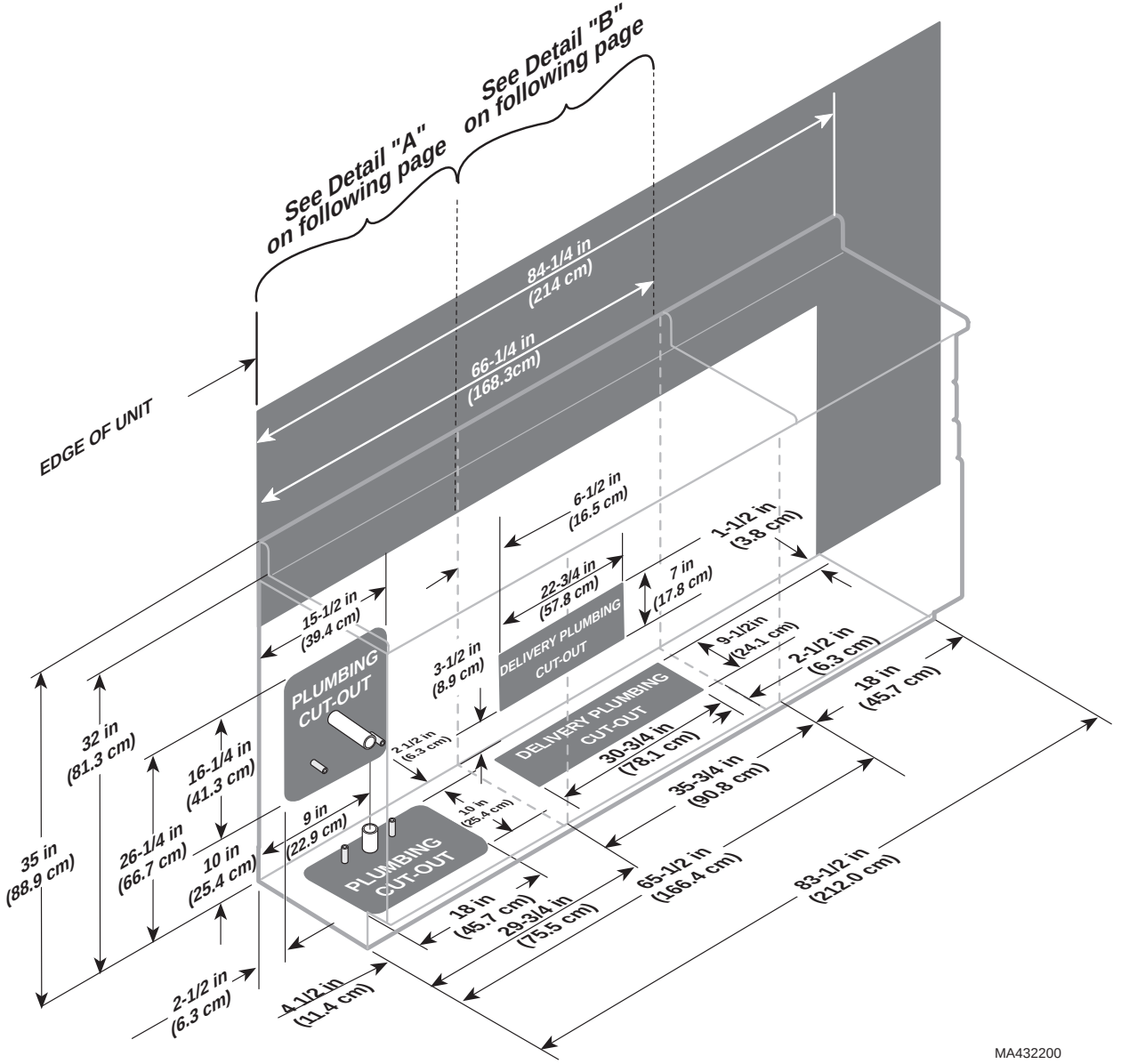


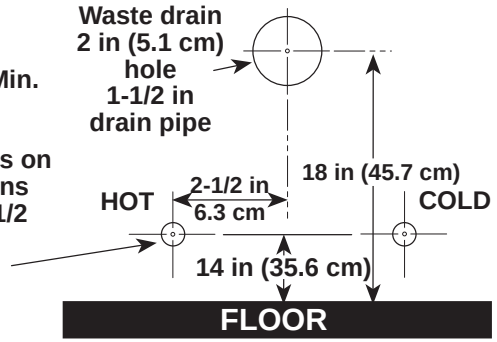
Figure 1

SINK SERVICE DETAILS

DETAIL "A"

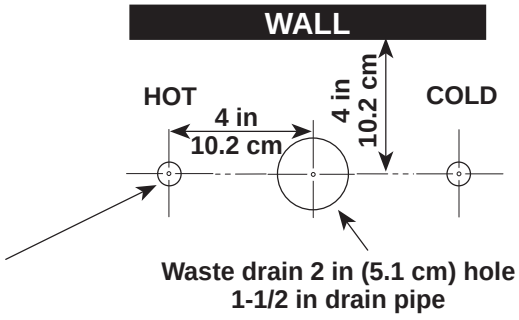
WALL MOUNT SERVICE

3/4 in (1.9 cm) Hole
1/2 in NPT Water Pipe
Stub out 1-3/4 in (4.5 cm) Min.
3-3/4 in. (9.5 cm) Max from finished wall surface.
Use 1/2 in male NPT fittings on end of stubs for connections to shut-off valves. Install 1/2 in inlet x 3/8 in O.D. outlet angle shut-off valves.



FLOOR MOUNT SERVICE

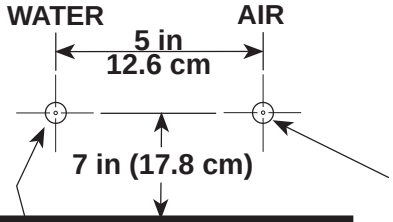
3/4 in (1.9 cm) Hole
1/2 in NPT Water Pipe
Stub out 1 in (2.5 cm) Min.
2-1/2 in (6.4 cm) Max from finished floor surface.
Use 1/2 in male NPT fittings on end of stubs for connections to shut-off valves. Install 1/2 in inlet x 3/8 in O.D. outlet angle shut-off valves.



DELIVERY UNIT SERVICE DETAILS

DETAIL "B"

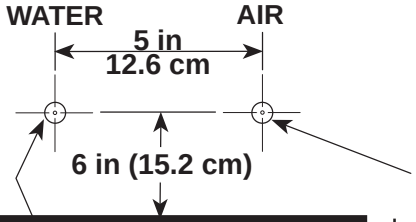
WALL MOUNT SERVICE



3/4 in (1.9 cm) Hole
1/2 in I.D. NPT Water Pipe (Copper Tubing).
Stub out 1-3/4 in (4.5 cm) Min.
3-3/4 in. (9.5 cm) Max from finished wall surface.
Use 1/2 in male NPT fitting on end of stub for connection to shut-off valve.
Install 1/2 in inlet x 3/8 in O.D. outlet angle shut-off valves.
Water pressure must be between 30-50 psi (206.7-344.6 kPa), If water pressure exceeds the 50 psi (344.6 kPa) use a suitable pressure reducing valve.

3/4 in (1.9 cm) Hole
1/2 in I.D. NPT Water Pipe (Copper Tubing).
Stub out 1-3/4 in (4.5 cm) Min.
3-3/4 in. (9.5 cm) Max from finished wall surface.
Use 1/2 in male NPT fitting on end of stub for connection to shut-off valve.
Install 1/2 in inlet x 3/8 in O.D. outlet angle shut-off valve.
Air pressure must be between 75-100 psi (516.9 - 689.2 kPa).
If air pressure exceeds the 100 psi (689.2 kPa), use a suitable pressure reducing valve.
For maximum life and trouble free operation, the air supply must be clean and dry. It is recommended that a moisture separator and filter be installed as near to the connection as possible, and be accessible for periodic cleaning.

FLOOR MOUNT SERVICE



3/4 in (1.9 cm) Hole
1/2 in I.D. NPT Water Pipe (Copper Tubing).
Stub out 1 in (2.5 cm) Min.
2-1/2 in. (96.4 cm) Max from finished wall surface.
Use 1/2 in male NPT fitting on end of stub for connection to shut-off valve.
Install 1/2 in inlet x 3/8 in O.D. outlet angle shut-off valve.
Water pressure must be between 30-50 psi (206.7-344.6 kPa). If water pressure exceeds the 50 psi (344.6 kPa), use a suitable pressure reducing valve.

3/4 in (1.9 cm) Hole
1/2 in I.D. NPT Water Pipe (Copper Tubing).
Stub out 1 in (2.5 cm) Min.
2-1/2 in. (6.4 cm) Max from finished wall surface.
Use 1/2 in male NPT fitting on end of stub for connection to shut-off valve.
Install 1/2 in inlet x 3/8 in O.D. outlet angle shut-off valve.
Air pressure must be between 75-100 psi (516.9 - 689.2 kPa). If air pressure exceeds the 100 psi (689.2 kPa), use a suitable pressure reducing valve.
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MA425400

Figure 2

CABINET INSTALLATION

NOTE:
This unit consists of three separately shipped cabinets; a sink cabinet (1), side delivery cabinet (2), and a storage cabinet (3). The sink cabinet and storage cabinet are optional and are included only with some models.

A - Remove sink bottom from sink cabinet.

B - If installed, remove plumbing cover by lifting straight up and then out on cover pull tabs.

C - Depending on type of storage cabinet, remove bottom drawer from storage cabinet ***or*** storage bottom from storage cabinet.

D - Using a 1/4" socket, adjust leveling screws on sink cabinet and storage cabinet to the fully lowered position.

E - Tilt side delivery cabinet up on its edge and adjust leveling screws to the fully lowered position.

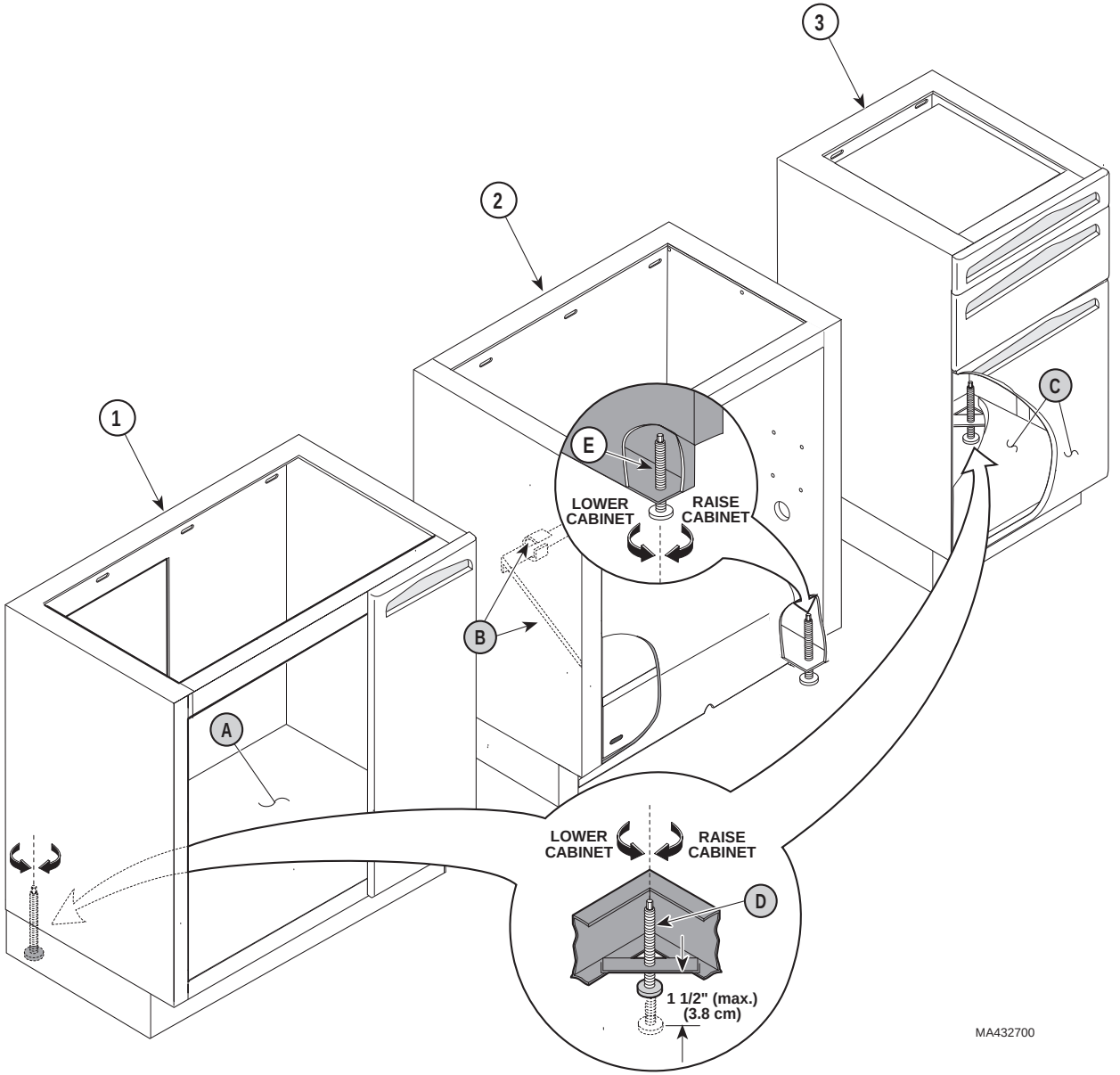

Figure 3

CABINET INSTALLATION - Continued

A - Move base cabinet into desired position for edge of cabinet.

B - Move sink cabinet into position against wall.

NOTE
Make sure to adjust sink cabinet high enough so that the other cabinets have room for adjustment if the floor is higher under them.

C - Level sink cabinet by adjusting leveling screws (Do not adjust leveling screws more than 1-1/2 in. (3.8 cm) to prevent loss of stability).

D - Re-install sink bottom in sink cabinet.

E - Position side delivery cabinet against sink cabinet and wall.

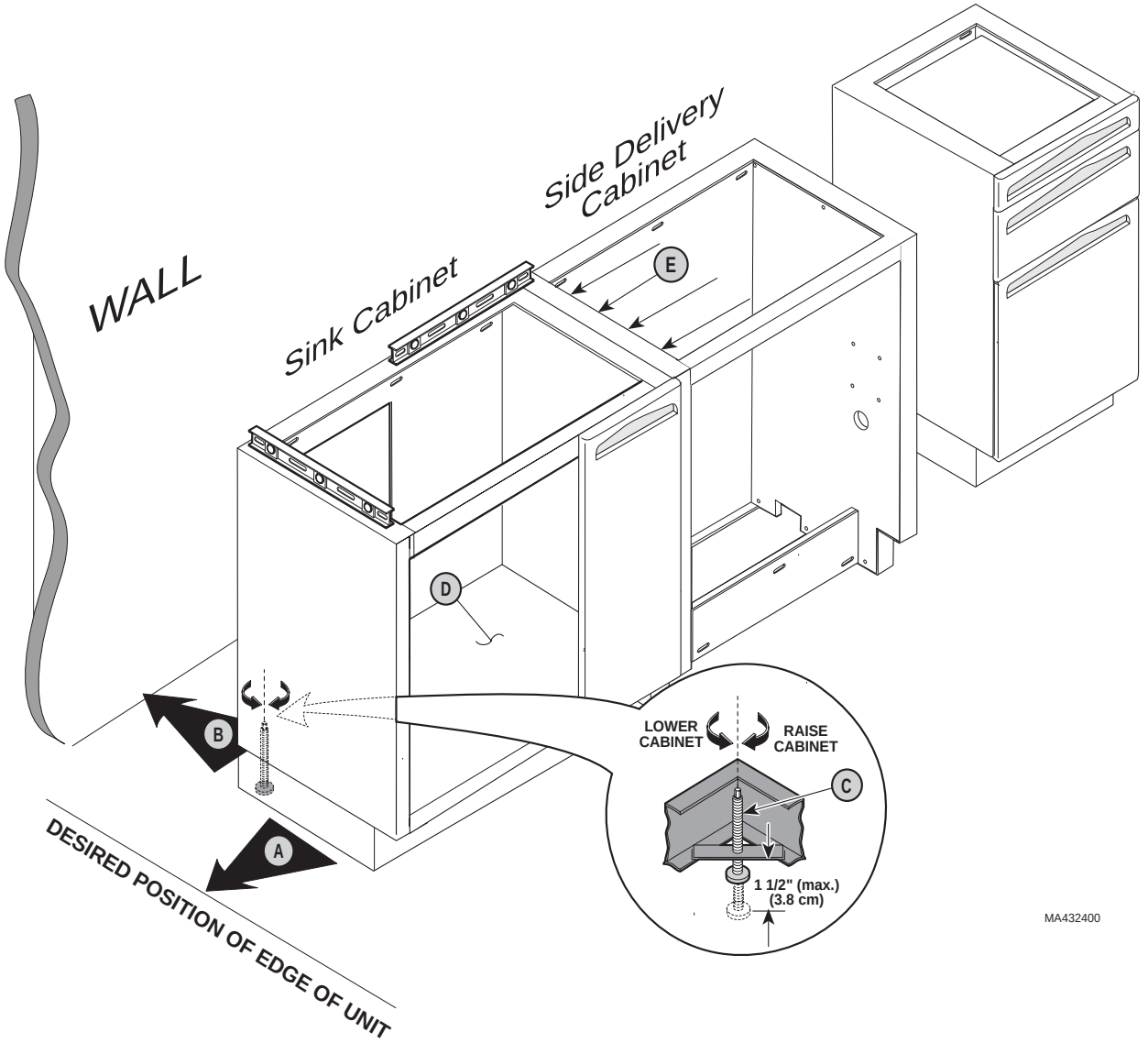

Figure 4

CABINET INSTALLATION - Continued

A - Tilt side delivery cabinet up on its edge and adjust its leveling screws to level the cabinet as well as line up the top of cabinet with the top of sink cabinet (Do not adjust leveling screws more than 1-1/2 in. (3.8 cm) to prevent loss of stability).

B - Position storage cabinet against side delivery cabinet and wall.

C - Level storage cabinet as well as line up the top of cabinet with the top of side delivery cabinet by adjusting leveling screws (Do not adjust leveling screws more than 1-1/2 in. (3.8 cm) to prevent loss of stability).

D - Depending on type of storage cabinet, re-install bottom drawer in storage cabinet ***or*** reinstall storage bottom in storage cabinet.

E - Attach the cabinets to the wall with appropriate fasteners (see cover page).

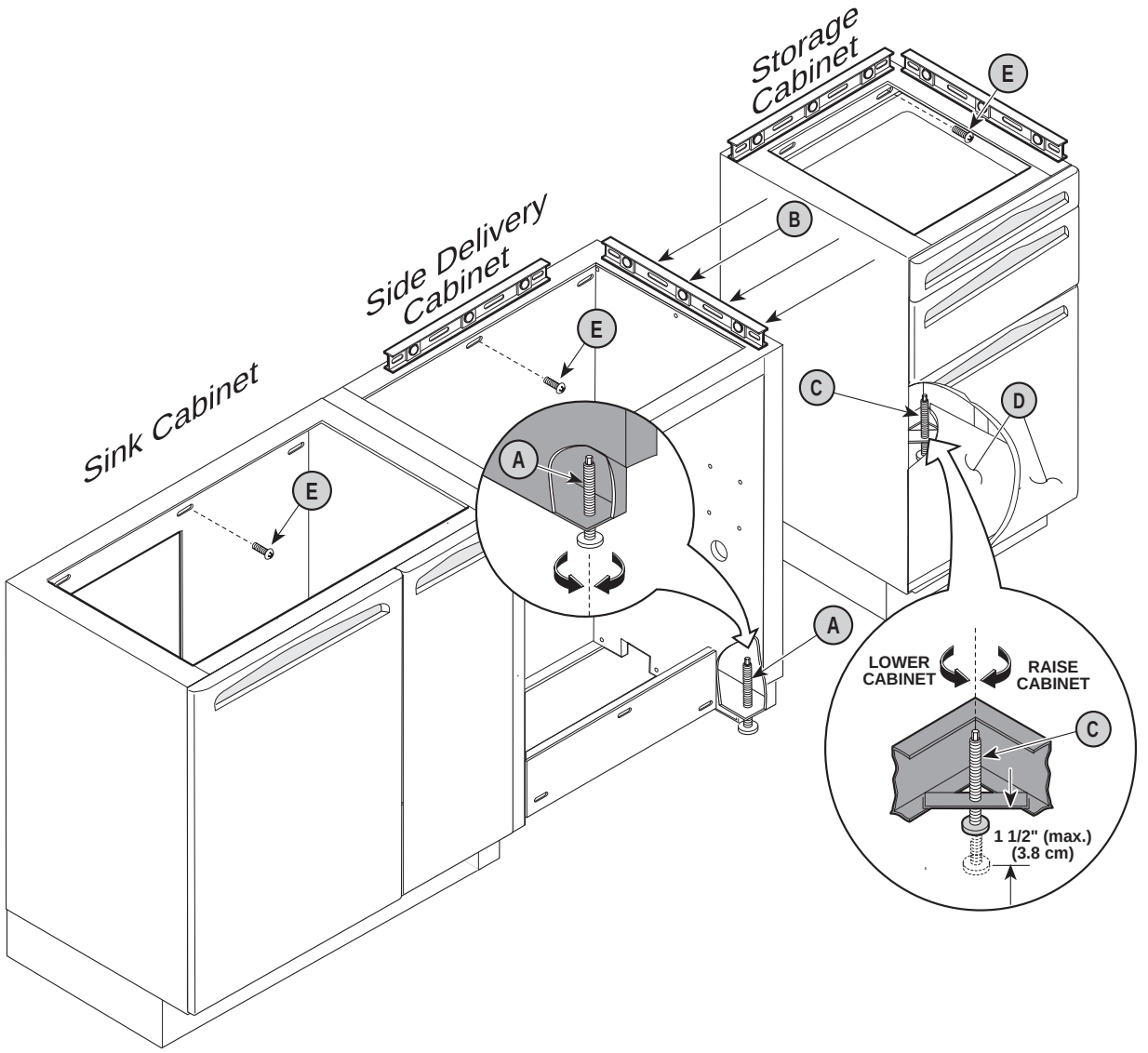

Figure 5

SIDE DELIVERY UNIT ASSEMBLY

A - If installed, remove plumbing cover from side delivery cabinet by pulling straight up and then out on cover pull tabs.

B - Remove four screws and support bar from cabinet.

NOTE
Side delivery unit can be installed on either side of side delivery cabinet.

C - After determining whether the side delivery unit is to be installed on left or right side, remove five screws and inner side panel from side which delivery unit is to be installed.

NOTE
If delivery unit being installed is not a Knight unit, refer to instructions provided with the unit for proper location of its mounting bracket.

D - For Knight delivery unit, assemble short arm mounting bracket (1) to inner side panel (2) with backing plate (3), four lockwashers (4) and bolts (5) (supplied).

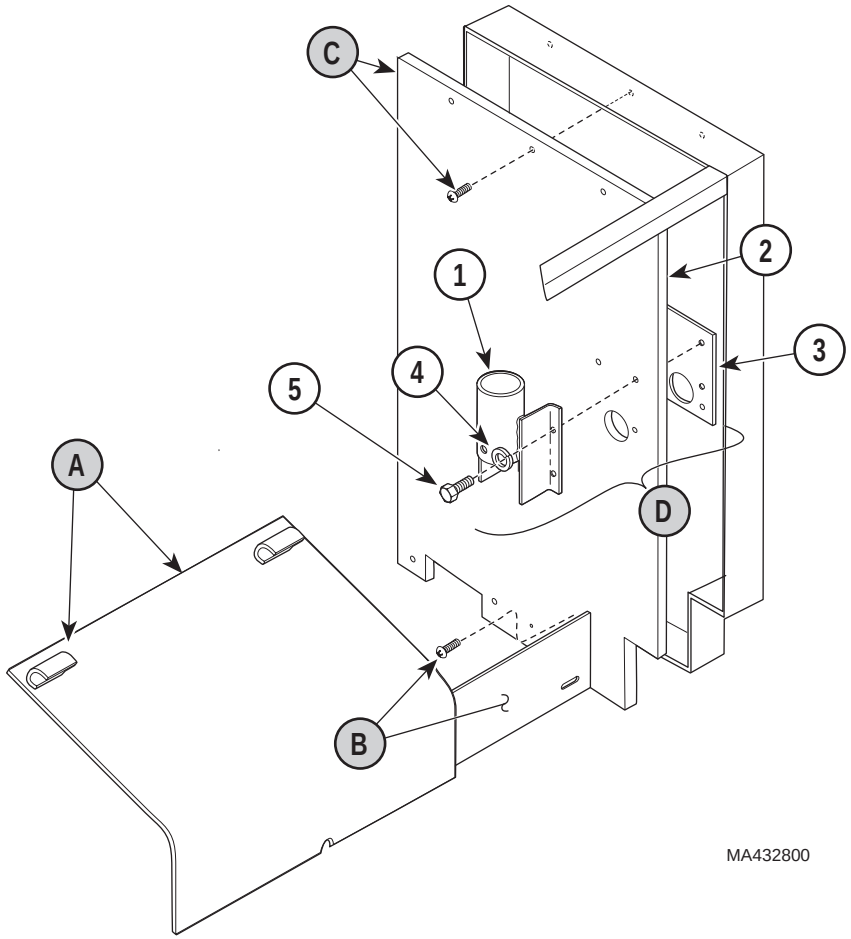

Figure 6

SIDE DELIVERY UNIT ASSEMBLY - Continued

A - Re-install inner side panel on side delivery cabinet with five screws.

B - Re-install support bar on side delivery cabinet with four screws.

C - Install side delivery unit on mounting bracket (1) while routing tubing bundle (2) down through center of mounting bracket (1).

D - Route tubing bundle (2) through tubing hole on side of cabinet and then down through rectangular cutout to plumbing cutout area.

E - Install bracket cover on mounting bracket with thumb screw (supplied).

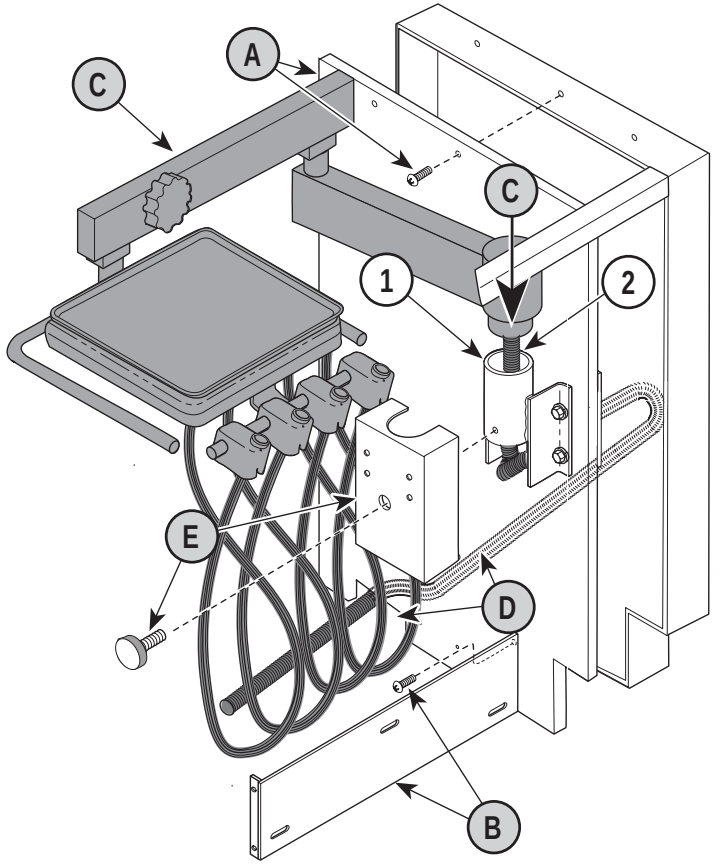

Figure 7

CABINET DOORS ADJUSTMENT

A - Check doors on sink cabinet to see if doors need adjusted vertically or horizontally.

B - Adjust sink cabinet doors vertically (so doors are at correct height and both doors are even with each other on the bottom) by loosening screws (B) on both hinges of door. After adjusting, retighten screws.

C - Adjust sink cabinet doors horizontally (so doors meet properly; not too big of a gap between doors or doors touching and preventing doors from closing properly) by loosening screws (C) on both hinges of door [ideal gap is 1/16 in. (1.6 mm)]. After adjusting, retighten screws.

D - Adjust storage door vertically by loosening screw (B) on both hinges of door. After adjusting, retighten screws. Then, adjust storage door horizontally by loosening screw (C) on both hinges of door. After adjusting, retighten screws.

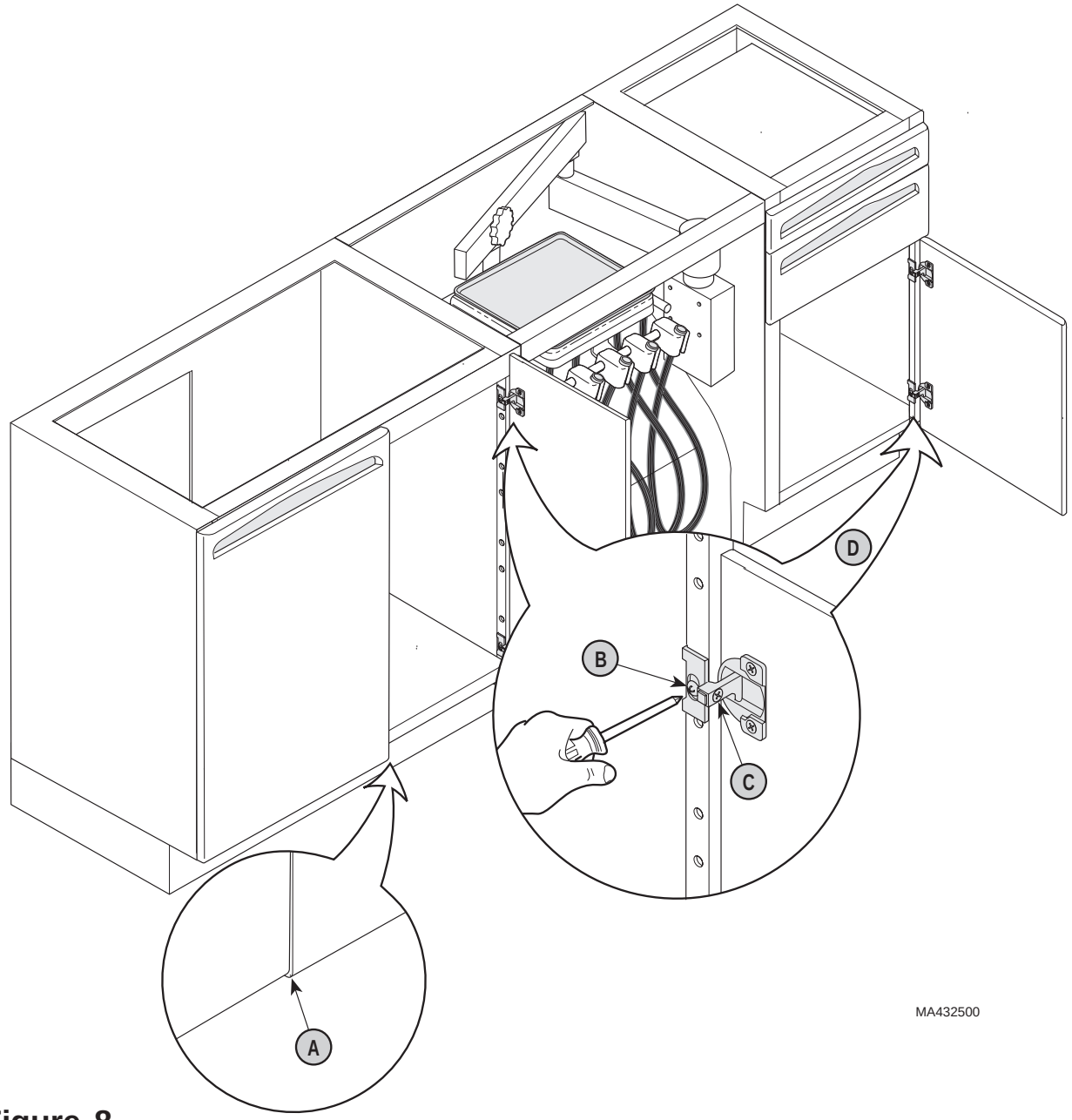

Figure 8

COUNTERTOP INSTALLATION

A - Scribe (sand) countertop as necessary to form to wall.

B - Secure countertop to base cabinet with #10 x 5/8" screws (supplied), making sure the countertop extends over each end of the cabinet(s) 3/8 inch (0.95 cm).

C - Install waste ring in countertop (supplied) (This step does not apply to models w/Solid Surface countertop).

D - Caulk edges of countertop as necessary to seal the wall.

E - Wipe exterior of cabinets with a mild spray cleaner and broom clean all drawers and storage areas.

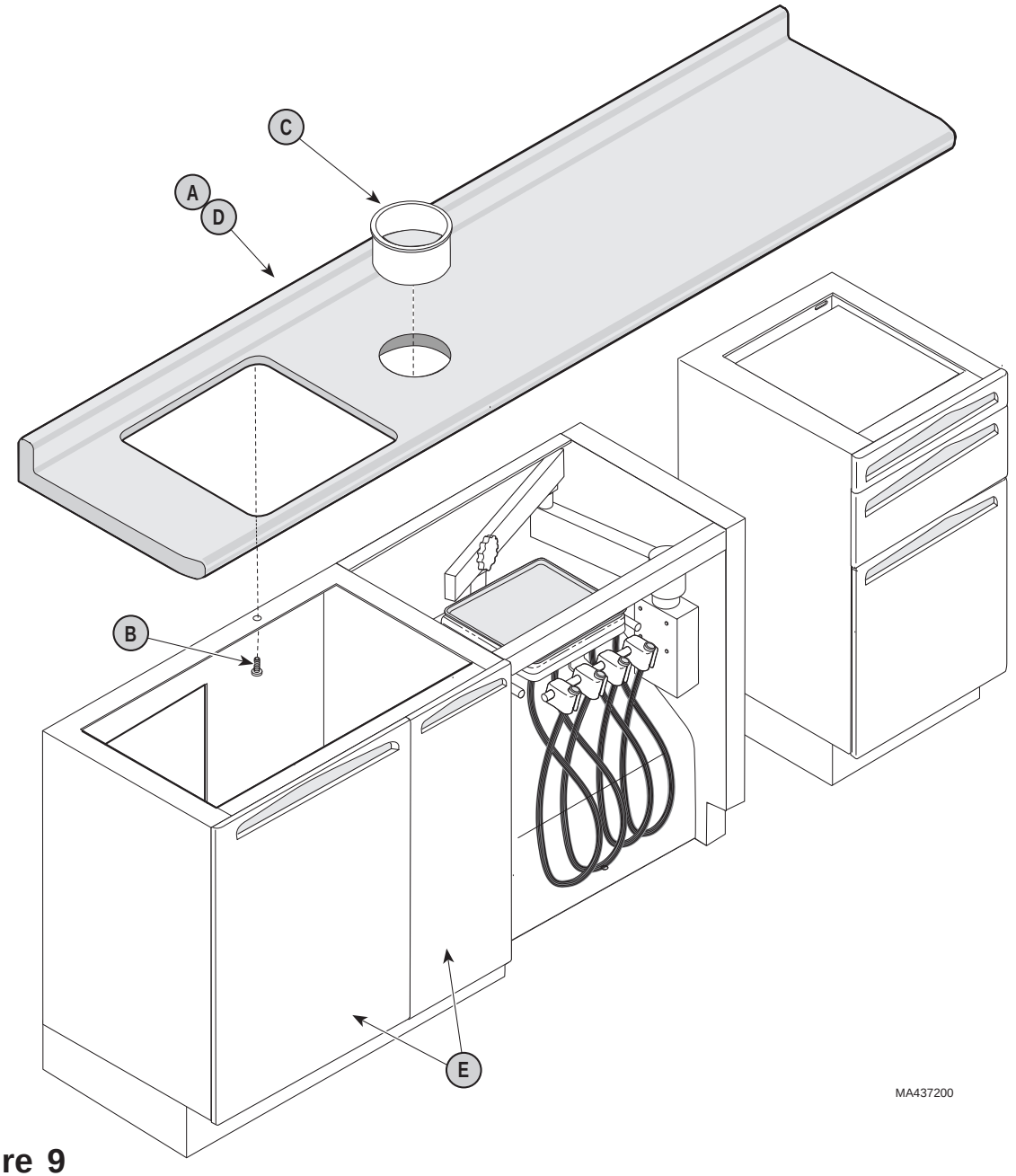

Figure 9

PLUMBING CONNECTIONS

Have a licensed plumber install the following parts:

A - Stainless Steel Sink - Refer to the installation instructions included with the sink (This step does not apply to models w/Solid Surface countertop).

B - Lever Handle Faucet - Refer to the installation instructions included with the faucet.

C - Tapmaster™ Faucet Controller - Refer to the installation instructions included with the faucet controller.

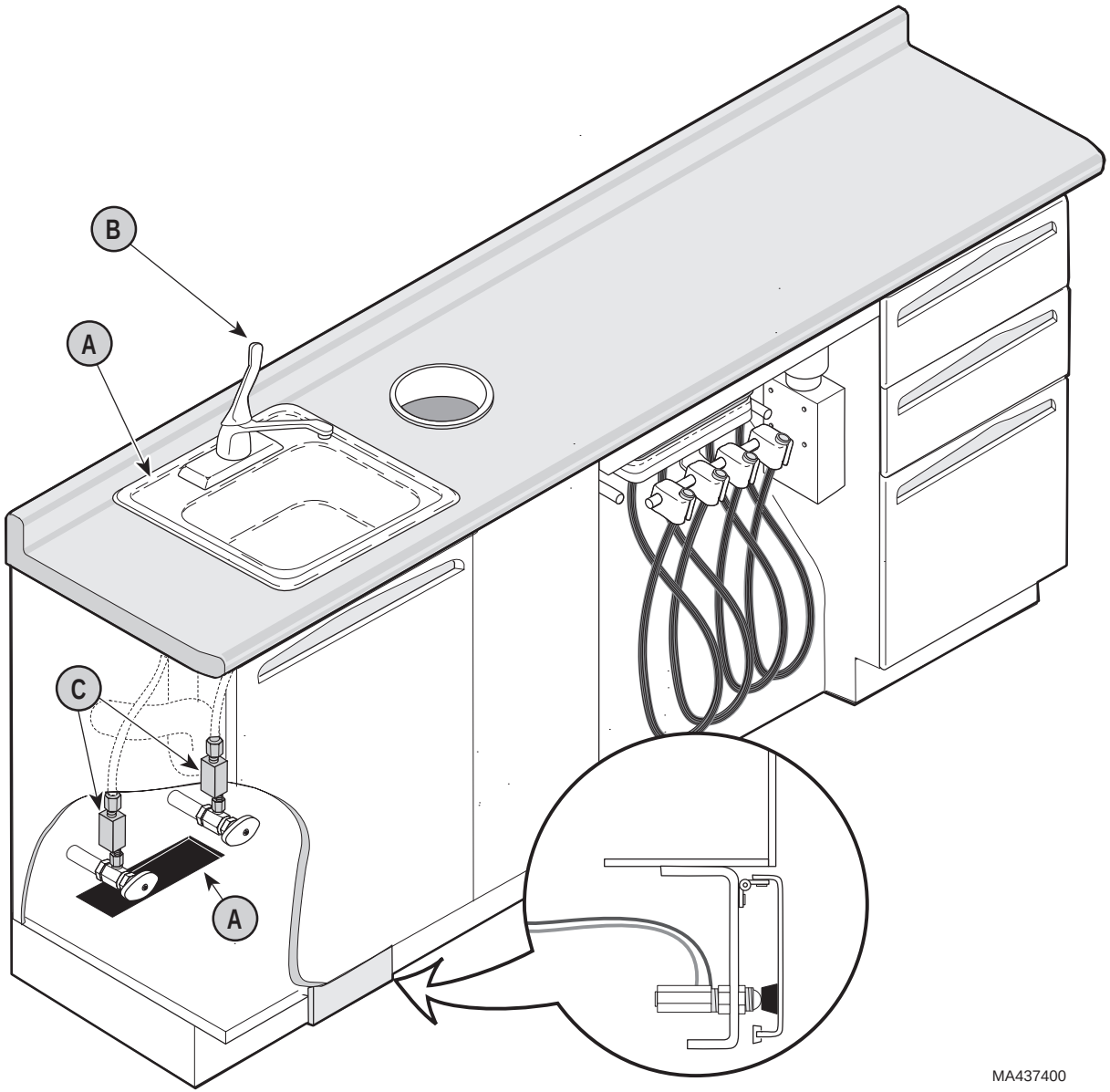

Figure 10

KNIGHT DENTAL CASEWORK LIMITED WARRANTY

Extension of Warranty:

Midmark® Corporation ("Midmark") warrants to the original purchaser its Knight Dental Casework, manufactured by Midmark, to be free from defects in material and workmanship under normal interior use and service. Midmark's obligation under this warranty is limited to the repair or replacement, at Midmark's option, of the parts or the products the defects of which are reported to Midmark within the applicable warranty period and which upon examination by Midmark prove to be defective.

Applicable Warranty Period

The applicable warranty period, measured from the date of delivery to the original user, shall be as follows:

(a) Five (5) years for all products and components (except for the shorter periods in (b and c)), including plastic laminate top surfaces, door and drawer fronts, castors, and electrical components such as task lights and cords.

(b) Three (3) years for task light ballast.

(c) One (1) year for plastic laminate top surfaces and accessories.

Exclusions

Midmark's warranty does not cover sinks, faucets, and plumbing accessories. Any warranties on these items are extended directly by the manufacturer of these items to the original purchaser. Information on these manufacturers' warranties will be enclosed with the applicable products. Also, Midmark will furnish copies of any of the warranties extended by any such manufacturers upon request.

This warranty does not cover and Midmark shall not be liable for: (1) repairs and replacements required because of misuse, abuse, negligence, alteration, accident, freight damage, or tampering; (2) matching of color, grain, or texture except to commercially acceptable standards; (3) changes in color caused by natural or artificial light; (4) products which are not installed, used, and properly cleaned as required in Midmark's written Installation Manual; (5) specially manufactured products; (6) products considered to be of a consumable nature such as light bulbs and surge suppression product; (7) accessories or parts not manufactured by Midmark; (8) charges by anyone (including Midmark's authorized Knight Dental Casework dealers) for adjustments, repairs, replacement parts, installation, or other work performed upon or in connection with such products which is not expressly authorized in writing in advance by Midmark.

Exclusive Remedy

Midmark's only obligation under this warranty is the repair or replacement of defective parts. Midmark shall not be liable for any direct, special, indirect, incidental, exemplary, or consequential damages or delay.

No Authorization

No person or firm is authorized to create for Midmark any other obligation or liability in connection with the products.

THIS WARRANTY IS MIDMARK'S ONLY WARRANTY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. MIDMARK MAKES NO IMPLIED WARRANTIES OF ANY KIND INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. THIS WARRANTY IS LIMITED

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